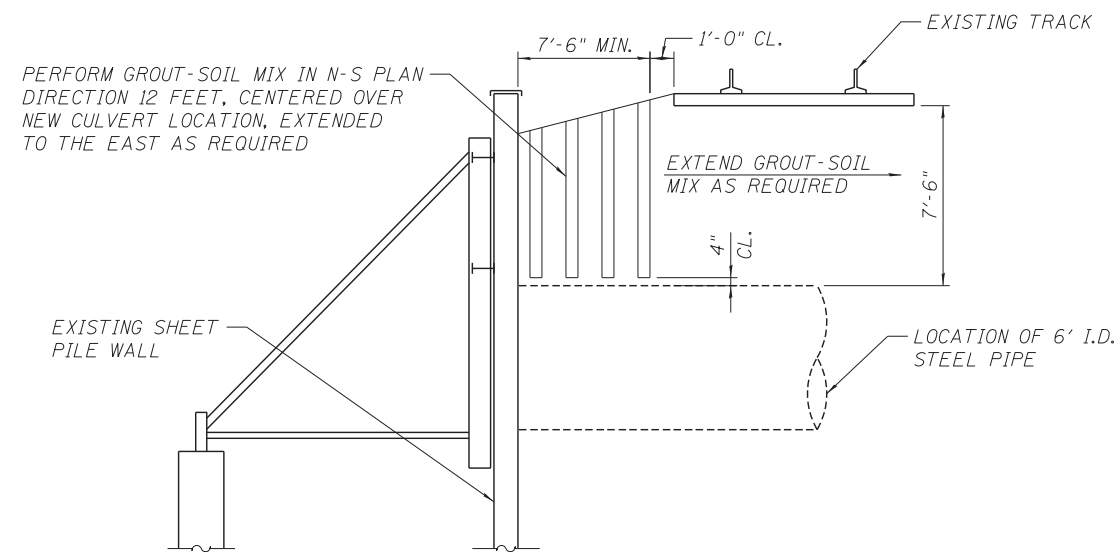


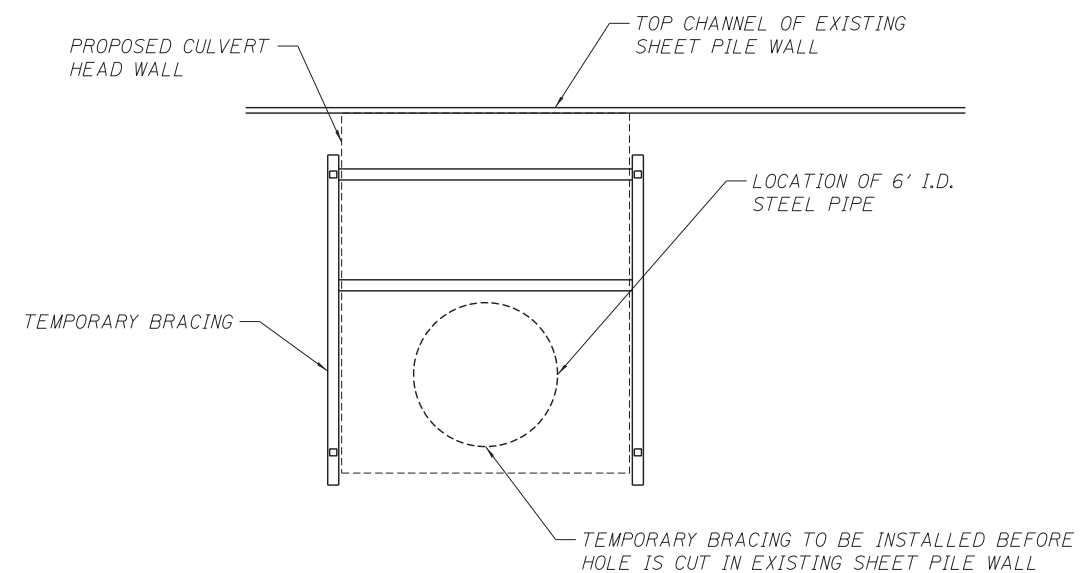
PLAN



**SECTION
(LOOKING NORTH)**

SUGGESTED CONSTRUCTION PROCEDURE

1. TO STABILIZE SOIL ABOVE LOCATION WHERE PIPE CULVERT IS TO BE JACKED, PERFORM GROUT-SOIL MIXING EAST SIDE OF EXISTING SHEET PILE. GROUT-SOIL MIX SHALL BE 12' WIDE IN NORTH-SOUTH DIRECTION CENTERED ON PIPE AND EXTENDED DOWN TO AN ELEVATION ROUGHLY 4" ABOVE TOP OF WHERE STEEL CASING PIPE WILL BE. START GROUT SOIL MIX DIRECTLY EAST OF EXISTING SHEET PILE AND EXTEND A MINIMUM OF 7'-6" EAST. CONTRACTOR SHALL COMPLETE A GEOTECH INVESTIGATION AS REQUIRED TO DETERMINE IF GRANULAR SOILS ARE PRESENT ABOVE PIPE JACKING LOCATION, GROUT SOIL MIX MAY NEED TO EXTEND FURTHER EAST AND DOWN DEEPER AS REQUIRED. CONTRACTOR SHALL COORDINATE SOIL INVESTIGATION AND GROUT-SOIL INSTALLATION WITH RAILROAD. SEE SECTION (LOOKING NORTH).
2. INSTALL WALER TEMPORARY SUPPORTS, KICKERS, AND DEADMEN ON OUTSIDE (WEST) FACE OF EXISTING SHEET PILE WALL. COORDINATE TEMPORARY SYSTEM AND LOCATION WITH JACKING PIT REQUIREMENTS. SEE THE SECTION & ELEVATION ON THIS SHEET.
3. INSTALL JACKING PIT FOR ALL EQUIPMENT REQUIRED FOR JACKING PROCESS. CONTRACTOR IS RESPONSIBLE FOR ALL DESIGN AND DETAILS OF THE JACKING OPERATION INCLUDING, BUT NOT LIMITED TO, TEMPORARY SHORING AND JACKING EQUIPMENT SUPPORTS. CONTRACTOR SHALL REVIEW ALL EXISTING CONDUITS AND WATER MAIN IN AREA AND COORDINATE ANY MEANS AS REQUIRED AS TO NOT DAMAGE EXISTING UTILITIES.
4. CUT APPROXIMATELY 6'-3" DIAMETER HOLE IN EXISTING SHEET PILE WALL. PORTIONS OF CUT MAY BE PHASED IN ALONG WITH INITIAL EXCAVATION AS WARRANTED BY GOOD EXCAVATION TECHNIQUE AND ANY APPLICABLE OSHA STANDARDS.
5. PERFORM JACKING INSTALLATION OF STEEL PIPE.
6. CONSTRUCT WEST AND EAST HEADWALL STRUCTURES.
7. THE CONSTRUCTION SEQUENCE AND SCHEMATIC DETAILS SHOWN REPRESENT A SUGGESTED SEQUENCE. THE SEQUENCE SHOWN IS SCHEMATIC IN NATURE AND IF USED BY CONTRACTOR, MUST BE VERIFIED.



**ELEVATION
(LOOKING EAST)**

\D:\60P35-BORDER\T.DGN, \D:\60P35-CRR-INSTALLATION-STAGING\T.DGN, \D:\60P35-EXH-CNRR\T.DGN, \D:\60P35-SHT-CULV-DETAIL_11.DGN
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 BAJZEKJ

FILE NAME =	USER NAME = \$USER*	DESIGNED - TCG	REVISED -
\$FILEL\$		DRAWN - TMH	REVISED -
	PLOT SCALE = \$SCALE*	CHECKED - TCG	REVISED -
	PLOT DATE = \$DATE*	DATE - 10/19/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED CULVERT UNDER CNRR
JACKING PROCEDURE**

SCALE: 1/4"=1'-0" SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105-WRS	COOK	537	331
			CONTRACT NO. 60P35	
ILLINOIS FED. AID PROJECT				

CLV-04